



MOTOROLA

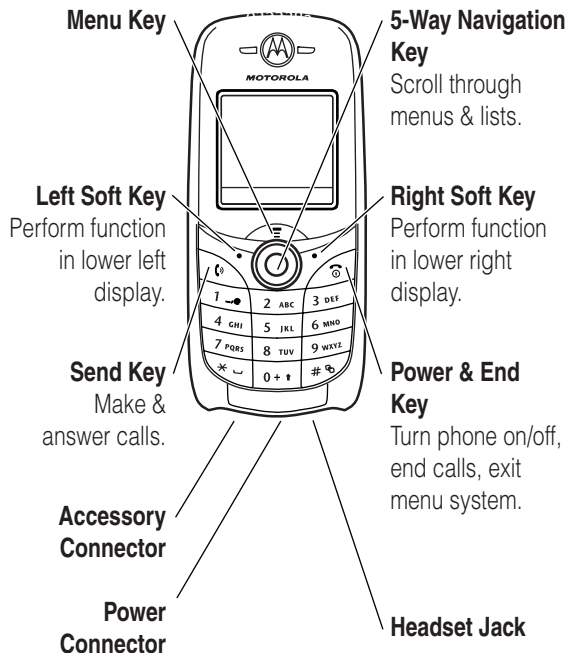
C650

GSM

START HERE >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola C650 GSM wireless phone.



Motorola, Inc.
Consumer Advocacy Office
1307 East Algonquin Road
Schaumburg, IL 60196
1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States)
1-800-461-4575 (Canada)

www.motorola.com (United States)

www.motorola.ca (Canada)

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office.

Java and all other Java-based marks are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

Microsoft, Windows, ActiveSync and Windows Media are registered trademarks of Microsoft Corporation; and Windows XP and Windows Mobile are trademarks of Microsoft Corporation.

All other product or service names are the property of their respective owners.

© Motorola, Inc., 2004.

The information contained in Motorola's user's guides is believed to be correct at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice. The contents of Motorola's user's guides are provided "as is." Except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability, or contents of this guide.

Caution: Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

Manual Number: 6809482A68-0

Contents

Getting Started	6
About This Guide	6
Installing the SIM Card	7
Battery Use	8
Installing the Battery	10
Installing a Lanyard	10
Charging the Battery	11
Turning Your Phone On	12
Adjusting Volume	12
Making a Call	13
Answering a Call	13
Viewing Your Phone Number	13
Highlight Features	15
Taking and Sending a Photo	15
Sending a Multimedia Message	17
Receiving a Multimedia Message	19
Playing Video Clips	20
Using Event Lights	21
Using Ring Lights	22
Learning to Use Your Phone	23
Using the Display	23
Using the 5-Way Navigation Key	27
Using Menus	28
Entering Text	30
Using the Handsfree Speaker	40
Changing a Code, PIN, or Password	41
Locking and Unlocking Your Phone	41
If You Forget a Code, PIN, or Password	43

Locking and Unlocking the Keypad	44
Using the Phonebook	44
Setting Up Your Phone	47
Storing Your Name and Phone Number	47
Setting the Time and Date	47
Setting a Ring Style	48
Setting a Wallpaper Image	48
Setting a Screen Saver Image	50
Setting Display Color	51
Adjusting the Backlight	51
Setting Display Timeout	51
Calling Features	52
Changing the Active Line	52
Redialing a Number	52
Using Automatic Redial	53
Using Caller ID	53
Canceling an Incoming Call	54
Calling an Emergency Number	54
Dialing International Numbers	55
Viewing Recent Calls	55
Returning an Unanswered Call	57
Using the Notepad	57
Attaching a Number	58
Calling With Speed Dial	58
Calling With 1-Touch Dial	59
Using Voicemail	59
Using Call Waiting	61
Putting a Call On Hold	61
Transferring a Call	62

Phone Features	63
Menu Map.....	63
Feature Quick Reference	65
Specific Absorption Rate Data	85
Index	87

Getting Started



CAUTION: Before using the phone for the first time, read the *Important Safety and Legal Information* included in the gray-edged pages at the back of this guide.

About This Guide

This guide describes the basic features of your Motorola wireless phone.

Note: A *More Here* reference guide for your phone is also available that describes your phone's features in more detail.

To obtain the *More Here* guide for your phone, or another copy of this guide, see the Motorola Web site at:

<http://motorola.com/consumer/manuals> (U.S.A.)

<http://motorola.ca/consumer> (Canada)

or contact the Motorola Customer Call Center at 1-800-331-6456 (U.S.A.) or 1-800-461-4575 (Canada).

Optional Features



This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

Optional Accessories



This label identifies a feature that requires an optional Motorola Original™ accessory.

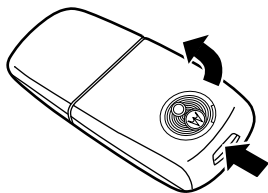


Installing the SIM Card

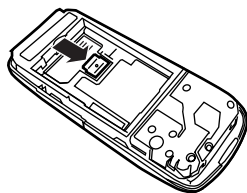
Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory.

Caution: Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.

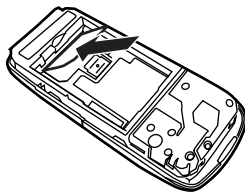
Getting Started



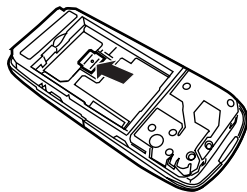
1



2



3



4

Battery Use



Battery performance depends on many factors, including your wireless carrier's network configuration; signal strength; the temperature at which you operate your phone; the features and/or settings you select and use; items attached to your phone's accessory connector; and your voice, data, and other application usage patterns.

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize your battery's performance:

- Always use Motorola Original batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for a long time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or

an increase in charging time, then it is probably time to purchase a new battery.



The rechargeable batteries that power this phone must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

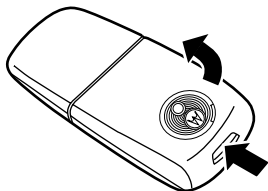
Warning: Never dispose of batteries in a fire because they may explode.



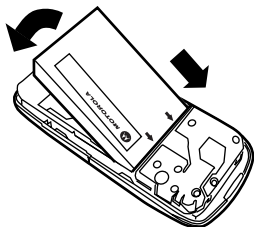
Installing the Battery



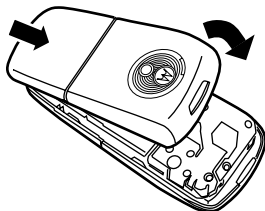
™ Your phone is designed to use only Motorola Original batteries and accessories.



1



2

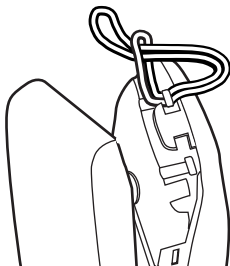


3

Installing a Lanyard

You can attach a lanyard to your phone to help you carry it.

To install a lanyard, remove the back cover. Pull one end of the lanyard through a lanyard notch,



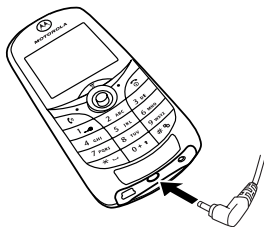
then through the loop in the other end of the lanyard (as shown).

Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

Action

- 1 Plug the travel charger into the bottom of your phone.



- 2 Plug the other end of the travel charger into the appropriate electrical outlet.
- 3 When your phone indicates **Charge Complete**, remove the travel charger.


Tip: You can safely leave the travel charger connected to your phone after charging is complete. This will not damage the battery.




Turning Your Phone On




Action

- 1 Press and hold  for 2 seconds to turn on the phone.




- 2 If necessary, enter your SIM card PIN code and press **OK** () to unlock the SIM card.

Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays SIM Blocked.

- 3 If necessary, enter your 4-digit unlock code and press **OK** () to unlock the phone.

Adjusting Volume

Press left or right on the 5-Way Navigation key () to increase or decrease volume.

5-way
Navigation
Key





- increase or decrease earpiece volume during a call
- increase or decrease the ringer volume setting when the home screen is visible

Tip: At the lowest volume setting, press the key left once to switch to vibrate alert. Press it again to switch

to silent alert. Press the key right to cycle back to vibrate alert, then ring alert.




- turn off an incoming call alert

Making a Call




Press	To
1 keypad keys	dial the phone number
2 	make the call
3 	end the call and “hang up” the phone when you are finished

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

Press	To
1  or ANSWER 	answer the call
2 	end the call and “hang up” the phone when you are finished

Viewing Your Phone Number

To view your phone number from the home screen, press  . While you are on a call, press  > **My Tel. Numbers**.

Note: Your phone number must be stored on your SIM card to use this feature. To store your phone number on



the SIM card, see page 47. If you do not know your phone number, contact your service provider.



Highlight Features

You can do much more with your phone than make and receive calls! This section describes some of your phone's highlight features.



Taking and Sending a Photo

To activate your phone's camera:

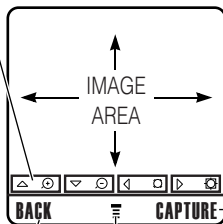
Find the Feature



> **Multimedia** > **Camera**

The active viewfinder image appears on your display.

Press to change zoom,
or to change brightness.



Take a photo.

Return to previous screen.

Press to open sub-menu.

Point the camera lens at the photo subject, then:




Press	To
1 CAPTURE	take a photo
2 STORE	view storage options If you choose to store the photo, continue to step 3.
or	
DISCARD	delete the photo and return to the active viewfinder
3	scroll to Send in Message , Store Only , Apply as Wallpaper , or Apply as Screen Saver , or Send to Blog *
4 SELECT	perform the storage option of your choice

* Optional network/subscription dependent feature. Not all features may be available on your phone.

Press in the viewfinder to open the **Pictures Menu**. The **Pictures Menu** can include the following options:

Option	Description
Go To Pictures	View pictures and photos stored on your phone.
Auto-Timed Capture	Set a timer for the camera to take a photo.
Delete All	Delete all pictures.
Pictures Setup	Open the setup menu to adjust picture settings.
View Free Space	See how much memory remains for storing pictures.

Tip: To assign a stored picture to a phonebook entry, open the entry and press  > **Edit** > **Picture**. You cannot assign pictures to entries stored on your SIM card.

Sending a Multimedia Message



A **Multimedia Messaging Service (MMS)** message contains one or more slides with text and embedded media objects (including photos, pictures, animations, sounds, voice records, and/or video clips). You can send the multimedia message to other wireless phone users, and to email addresses.

Find the Feature




- > **Messages**
- > **Create Message**
- > **New Multimedia Msg**

Press

1 keypad keys

To

enter slide text











Tip: You can press  to open the **MMS Menu** and insert a **Picture**, **Voice Record**, **Sound**, **Soundtrack**, **Video**, **New Page**, **Quick Note**, or **Contact Info**.

2 **OK** ()

store the message





Press	To
3 	scroll to a Send To option: <ul style="list-style-type: none"> • Highlight [One Time Entry] to enter one or more phone numbers and/or email addresses. • Highlight [New Phonebook Entry] to enter a number/address and add it to the phonebook. • Or highlight an existing phonebook entry.
4 SELECT ()	select [One Time Entry] or [New Phonebook Entry] and enter a number/address. Press OK () or DONE () when you are finished.
or	
ADD ()	add a phonebook entry to the list of recipients. Press DONE () when you are finished.
5 	scroll to Subject
6 CHANGE ()	select Subject
7 keypad keys	enter the subject
8 OK ()	store the subject
9 CHANGE ()	select Attachments





Press	To
10	scroll to Picture , Sounds , or Video
11 SELECT ()	select the file type
12	highlight the file you want
13 SELECT ()	attach the file
14 BACK ()	return to the message editor
15	scroll to Receipt
16 CHANGE ()	select Receipt
17 ADD () or REMOVE ()	activate/deactivate the delivery report
18 DONE ()	return to the message editor
19 SEND ()	send the message
or	
	send the message, view message details, save the message in the drafts folder, or cancel the message

Receiving a Multimedia Message



When you receive a multimedia message, your phone displays the (message waiting) indicator and a **New Message** notification, and sounds an alert.

Press	To
READ ()	open the message



Multimedia messages that you receive can contain different media objects:

- Photos, pictures, and animations are displayed as you read the message.
- A sound file or video clip begins playing when its slide is displayed.
- Attached files are added to the end of the message. To open the attachment, highlight the file indicator/filename and press **VIEW** (📎) (image file type), **PLAY** (📎) (sound file or video clip), or **OPEN** (📎) (object such as phonebook or datebook entry, or unknown file type).

Playing Video Clips

You can download video clips with the micro-browser, and send and receive video clips in multimedia messages.

To play a video clip stored on your phone:

Find the Feature

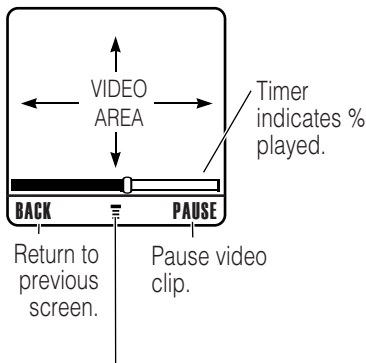



> **Multimedia** > **Videos**

Press	To
1	scroll to the video clip
2 PLAY (📎)	start video clip playback

The video clip displays in the video clip playback screen.

Press  to pause or play the video.



Press  to open sub-menu.



Using Event Lights



When event lights are activated, your phone displays a light pattern to notify you of the following events: incoming calls, incoming calls from specific phonebook categories, incoming text and voicemail messages, alarms, power up, power down, or battery charging.

To turn event lights on or off:

Find the Feature



> **Settings** > **Ring Styles**
> **Event Lights**

Press	To
1 	scroll to On or Off
2 SELECT 	select the option

Using Ring Lights





Select a light pattern to display when you receive an incoming call (in addition to or instead of a ring/vibrate alert). To select a light pattern:

Find the Feature



> **Settings** > **Ring Styles**
> **Ring Lights**

Press	To
1 	scroll to the light pattern
2 SELECT 	select the light pattern

Note: Ring lights only appear if **Event Lights** are **On**.

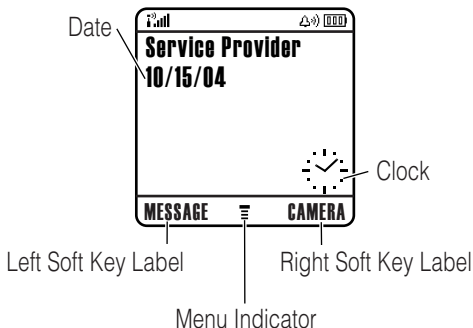
The same light pattern displays for all incoming calls. You can use the light ID feature to display a distinctive light pattern when you receive calls from phonebook entries in a specific category. To set a light ID for a phonebook category, see page 70. The light ID is not displayed when ring lights are turned off.



Learning to Use Your Phone



See page 1 for a basic phone diagram.

Using the Display

The **home screen** displays when you are **not** on a call or using the menu. You must be in the home screen to dial a phone number.



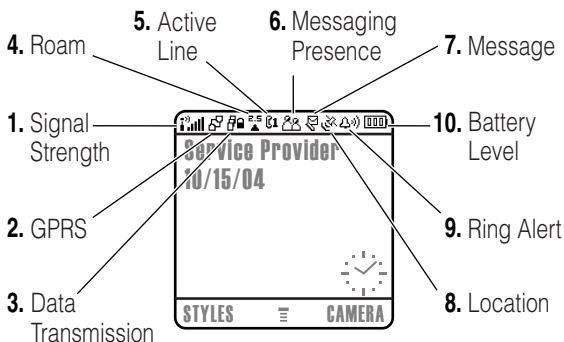
The  (menu) indicator indicates that you can press the menu key () to enter the main menu.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key () or right soft key () to perform the function indicated by the left or right soft key label.



Your phone can display an analog or digital clock in the home screen (see page 72).

The following status indicators can display:



1. Signal Strength Indicator

Vertical bars show the strength of the network connection. You cannot make or receive calls when the (no signal) indicator or (no transmit) indicator displays.

2. GPRS Indicator




Shows that your phone is using a high-speed General Packet Radio Service (GPRS) network connection. GPRS allows faster data transfer speeds. Indicators can include:


= GPRS PDP context active


= GPRS packet data available


3. Data Transmission Indicator


Shows connection and data transmission status. Indicators can include:

 = secure packet data transfer

 = insecure packet data transfer

 = secure application connection

 = insecure application connection

 = secure Circuit Switch Data (CSD) call

 = insecure CSD call

4. Roam Indicator



Shows when your phone is seeking or using another network outside your home network. Indicators can include:

 = 2.5G home



 = 2.5G roam


 = 2G home


 = 2G roam

5. Active Line Indicator



Shows  or  to indicate the current active phone line. Other indicators can include:

 = line 1 active, call forward on

 = line 2 active, call forward on

 = alarm activated



6. Messaging Presence Indicator



Shows when Instant Messaging (IM) is active. Indicators can include:

= IM active

= available for IM

= busy

= invisible to IM

= available for phone calls

= offline



When a Java™ application is active, a (Java midlet) indicator can display in this location.

7. Message Indicator



Displays when you receive a new message. Indicators can include:

= text message

= voicemail message

= IM message

= active chat session

= voicemail and text message

When you enter a message, a number in this location shows the number of characters left on the current page (text message), or the message size (multimedia message).

8. Location Indicator



Your phone may be able to send location information to the network during an emergency call. Indicators show when your phone is sending location information:

 = location on

 = location off

9. Ring Style Indicator


Shows the ring style setting.

 = loud ring

 = soft ring

 = vibrate

 = vibrate and ring

 = silent


10. Battery Level Indicator

Vertical bars show the battery charge level. Recharge the battery when **Low Battery** displays and the battery alert sounds.

Using the 5-Way Navigation Key


5-way
Navigation
Key

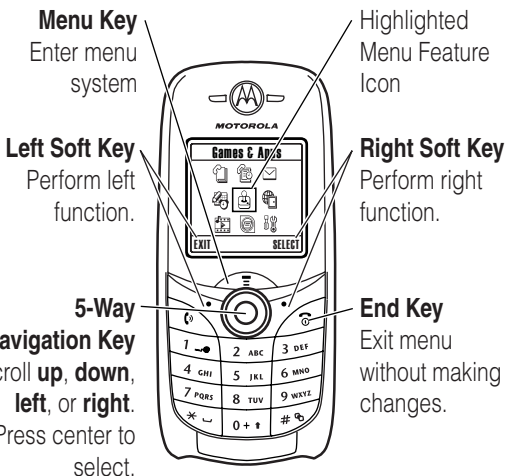



Use the 5-way navigation key () to scroll up, down, left, or right through the menu system, highlight menu items, change feature settings, and play games. Press the center select button to select a highlighted menu item.












Using Menus

From the home screen, press  to enter the main menu.



Press  to scroll to and highlight a menu feature icon in the main menu. The following icons represent features that may appear in the main menu, depending on your service provider and service subscription options.

Icon	Feature	Icon	Feature
	Games & Apps		Multimedia
	Office Tools		Settings
	IM		Web Access

Icon	Feature	Icon	Feature
	Phonebook		Recent Calls
	Messages		




Selecting a Menu Feature

To select a menu feature, starting from the home screen:

Find the Feature

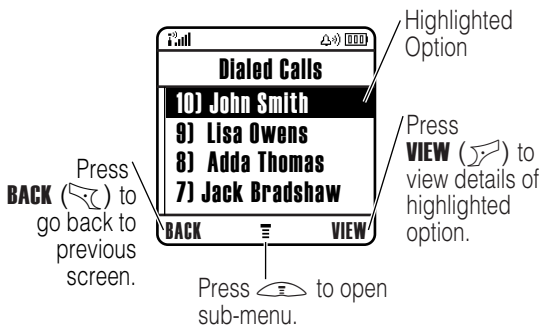



> **Recent Calls** > **Dialed Calls**

This example shows that from the home screen, you must press , scroll to and select  **Recent Calls** from the main menu, then scroll to and select **Dialed Calls**. Press  to scroll, and the left/right soft keys to select the functions listed in the bottom left and right corners of the display.


Selecting a Feature Option

Some features require you to select an option from a list:



Press  to scroll up or down to highlight the option you want.

- In a numbered list, press a number key to highlight the option.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list option.

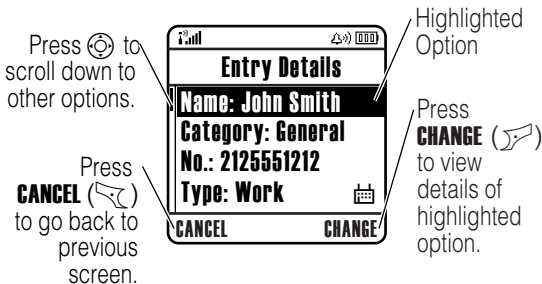
When an option displays a list of possible values, press  left or right to scroll through and select a value.

When an option displays a list of possible numeric values, press a number key to set the value.

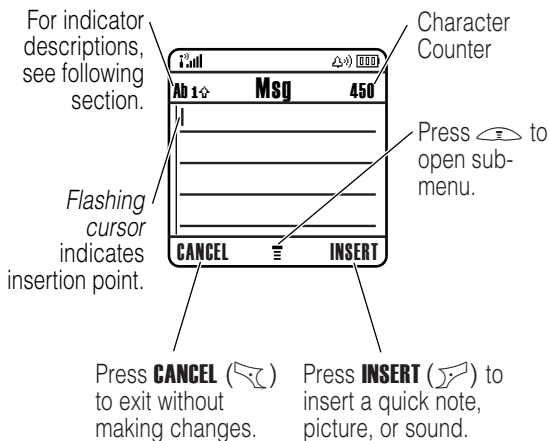


Entering Text

Some features require you to enter information.




The message center lets you compose and send text messages. A *Character Counter* indicates how many more characters will fit in a **Short Msg.**



Choosing a Text Entry Method

Multiple text entry methods make it easy for you to enter names, numbers, and messages. The method you select remains active until you select another method.

Press  in any text entry screen to select one of the following entry methods:

Primary


The primary text entry method (see below to set).

Numeric

Enter numbers only (see page 38).



Symbol	Enter symbols only (see page 38).
Secondary	The secondary text entry method (see below to set).

Alternatively, you can select a text entry method in any text entry screen by pressing  > **Entry Mode**.


Setting Up a Text Entry Method

Press  > **Entry Setup** from any text entry screen.

Select **Primary Setup** or **Secondary Setup**, and choose:

ITAP	Let the phone predict each word as you press keys (see page 36).
Tap	Enter letters and numbers by pressing a key one or more times.
Tap Extended	Enter letters, numbers, and symbols by pressing a key one or more times.
None	Hide the Secondary setting (only available for Secondary Setup).

Using Capitalization

Press  in any text entry screen to change text case.

The following indicators show capitalization status:

abc = no capital letters	Abc = capitalize next letter only
ABC = all capital letters	

Text Entry Method Indicators

When you select the **Primary** or **Secondary** text entry method, the following indicators identify the text entry setting:

Primary	Second.	
1	2	Tap, no capital letters
1↑	2↑	Tap, capitalize next letter only
1↑	2↑	Tap, all capital letters
1□	2□	iTAP, no capital letters
1↑□	2↑□	iTAP, capitalize next letter only
1↑	2↑	iTAP, all capital letters

The following indicators identify **Numeric** or **Symbol** entry method:




123 = numeric method @ = symbol method


Using Tap Method

This is the standard method for entering text on your phone.

Tap method cycles through the letters and number of the key you press. Tap Extended method also cycles through additional symbols as shown in the chart on page 35.

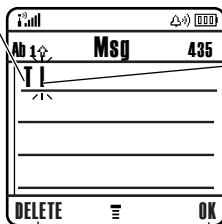


Press	To
1 A keypad key one or more times	select a letter, number, or symbol
2 keypad keys	enter remaining characters.
Tip: Press  right to accept a word completion, or  to insert a space.	
3 OK ()	store the text

In a text entry screen, you can press  to switch entry methods. If **Tap** or **Tap Extended** is not available as the **Primary** or **Secondary** entry method, see page 32.

When you enter text with **Tap** or **Tap Extended** method, the soft key functions change.

Character displays at insertion point.



After 2 seconds, character is accepted and cursor moves to next position.

Press **DELETE** () to delete character to left of insertion point.

Press **OK** () to accept and store text.

When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:

Character displays at insertion point.













Press  to accept **program**, or press  to reject it and enter a space after **prog**.



If you want a different word (such as **progress**), continue pressing keypad keys to enter the remaining characters.


Character Chart

Use this chart as a guide for entering characters with **Tap Extended** method.




	. ? ! , @ ' - _ : ; () & " ~ 1 0 ¿ ¡ % £ \$ ¥ ¢ € + x * ^ \ / [] = > < # §
	a b c 2 á â ã ç æ
	d e f 3 é ê ë ì
	g h i 4 í î ï
	j k l 5
	m n o 6 ñ ó ô õ ö ø
	p q r s 7
	t u v 8 ú û ü
	w x y z 9
	change text case, for capital letters



	enter a space (hold to enter a return)
	change text entry method (hold for default)

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor,  first shows common characters for that editor.

Tap Method Text Entry Rules

- Press a keypad key repeatedly to cycle through its characters.
- Press  left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized. If necessary, press  down to force the character to lowercase before the cursor moves to the next position.
- If you enter or edit information and do not want to save the changes, press  to exit without saving.

Using iTAP™ Method

iTAP™ software provides a predictive text entry method that lets you enter a word using one keypress per letter. This can be faster than **Tap** method, because your phone combines the keypresses into common words.



Learning to Use Your Phone

again and say the entry's name (within 2 seconds). When prompted, press **RECORD** (📞) and repeat the name. Press **DONE** (🔍) to store the voice name.

Note: This option is not available for entries stored on the SIM card.

Storing a Picture for Caller ID

You can store a picture for a phonebook entry. The picture appears when you receive calls from the entry.

Note: This option is not available for entries stored on the SIM card.

When creating a phonebook entry, scroll to **Picture** and press **CHANGE** (📞). Press (📷) to select a picture, and press **SELECT** (📞) to store it for the entry.

Dialing a Number

Press (☰) > **Phonebook** > *entry to call* (📞).




Tip: To quickly highlight entries in your **Phonebook** list: If your entries are sorted by **Speed No.**, press an entry's speed number to highlight it. For example, press (1) (5) for entry number 15. If your entries are sorted by **Name**, **Voice Name**, or **Email**, enter the first letter of the entry's name to highlight it. For example, press (5) (5) for the first entry that starts with "K".

Voice Dialing a Number



Press (☰) > **Office Tools**, press **Dialing Services** > **Voice Dial**, and say the entry's name (within 2 seconds).



Tip: To create a shortcut to **Voice Dial**, press



 > **Office Tools** > **Dialing Services**, scroll to **Voice Dial**, and hold the . Your phone prompts you to save the shortcut. To use a shortcut, press  and the shortcut key number.

Sorting Phonebook Entries

Press  > **Phonebook**, press  > **Setup** > **Sort by**, then select whether you want to sort the phonebook list by **Name**, **Speed No.**, **Voice Name**, or **Email**.

When sorting by name, you can view **All** numbers or just the **Primary** number for each name. To set the primary number for a name, see page 71.

Viewing Entries By Category

Press  > **Phonebook**, press  > **Categories**, then select whether you want to view **All** entries, entries in a predefined category (**Business**, **Personal**, **General**, **VIPs**), or entries in a category you created.

To set the category for a phonebook entry, see page 70.



Setting Up Your Phone

Storing Your Name and Phone Number



To store or edit your name and phone number information on your SIM card:

Find the Feature



> **Settings** > **Phone Status**
> **My Tel. Numbers**

Shortcut: Press   from the home screen to edit your name and phone number.

If you do not know your phone number, contact your service provider.

Setting the Time and Date

Your phone uses the time and date for the **Datebook**. Your phone can synchronize its time and date with the network:

Find the Feature



> **Settings** > **Initial Setup**
> **Time and Date** > **Autoupdate**
> **On**

To set the time and date manually, set **Autoupdate** to **Off** and then set the **Time** and **Date** options:





Setting a Ring Style

Your phone rings or vibrates to notify you of an incoming call or other event. This ring or vibration is called an **alert**.

You can select one of five different ring styles. The ring style indicator in the display shows the current ring style (see page 27).

To set a ring style:



Press	To
1	scroll to the ring style
2 SELECT	select the ring style

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume. To change these settings, press > **Settings** > **Ring Styles** > style **Detail**.

Shortcut: To change your ring volume from the home screen, you can press left or right.

Setting a Wallpaper Image

You can set a photo, picture, or animation as a wallpaper (background) image in your phone's home screen. The



wallpaper image appears as a faint watermark in text and menu displays.

Find the Feature



> **Settings** > **Personalize**
> **Wallpaper**

Press	To
1	scroll to Picture
2 CHANGE	open the picture viewer
3 up or down	scroll to a picture/animation Scroll to (None) to turn off the wallpaper image.
4 SELECT	select the image
5	scroll to Layout
6 CHANGE	adjust the image layout
7	scroll to Center , Tile , or Fit-to-screen Center places the image in the center of the display. Tile fills the display with multiple copies of the image. Fit-to-screen resizes the image, if necessary, to fit the display.
8 SELECT	confirm the layout setting
9 BACK	save wallpaper settings



Setting a Screen Saver Image

Set a photo, picture, or animation as a screen saver image.

The screen saver image displays when the phone is on and no activity is detected for a specified time. The image shrinks to fill the display, if necessary. An animation repeats for one minute, then the first frame of the animation displays.

Turn off the screen saver to extend battery life.

Find the Feature



> **Settings** > **Personalize**
> **Screen Saver**



Press	To
1	scroll to Picture
2 CHANGE	open the picture viewer
3 up or down	scroll to a picture/animation Scroll to (None) to turn off the screen saver image.
4 SELECT	select the image
5	scroll to Delay
6 CHANGE	set the delay interval
7	scroll to the inactivity interval that triggers the screen saver
8 SELECT	confirm the delay setting
9 BACK	save screen saver settings

Setting Display Color

Select the color palette that your phone uses to display indicators, highlights, and soft key labels.

Find the Feature



> **Settings > Personalize**
> **Color Style**

Adjusting the Backlight

Set the amount of time that the display and keypad backlights remain on.

Find the Feature



> **Settings > Initial Setup**
> **Backlight**

Setting Display Timeout

Set the display to turn itself off when no activity is detected for a specified time.

Find the Feature



> **Settings > Initial Setup**
> **Display Timeout**



Calling Features

For basic instructions on how to make and answer calls, see page 13.

Changing the Active Line



Change the active phone line to make and receive calls from your other phone number.

Note: This feature is available only for dual-line-enabled SIM cards.

Find the Feature






> **Settings** > **Phone Status**

> **Active Line**

The active line indicator in the display shows the currently active phone line (see page 25).

Redialing a Number

Press	To
1 	view the dialed calls list
2 	scroll to the entry you want to call
3 	redial the number



Using Automatic Redial



When you receive a busy signal, your phone displays **Call Failed, Number Busy**.

To redial the phone number:

Press



To

activate automatic redial

Your phone automatically redials the number. When the call goes through, your phone rings or vibrates one time, displays **Redial Successful**, and then connects the call.

Using Caller ID

Incoming Calls



Calling line identification (Caller ID) displays the phone number for incoming calls in your phone's display.

The phone displays the caller's name (and picture, if available) when the name is stored in your phonebook, or **Incoming Call** when caller ID information is not available.

You can also set your phone to play a distinctive ringer ID and/or light ID for specific entries stored in your phonebook. For more information, see page 69.



Outgoing Calls




You can show or hide your phone number as an ID for the calls that you make.

Find the Feature




> **Settings** > **In-Call Setup**
> **My Caller ID**

You can override the default caller ID setting when you make a call. While dialing (with digits visible in the display):

Press	To
 > Hide ID/Show ID	hide or show your caller ID for the next call

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
IGNORE 	cancel the incoming call




Depending on your phone settings and/or service subscription, the call may be forwarded to another number, or the caller may hear a busy signal.

Calling an Emergency Number


Your service provider programs one or more emergency phone numbers, such as 911, that you can call under any

circumstances, even when your phone is locked or the SIM card is not inserted.

Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.


Press	To
1 keypad keys	dial the emergency number
2 	call the emergency number

Dialing International Numbers

Press and hold  to insert the local international access code (+) for the country from which you are calling.

Viewing Recent Calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new entries are added.








Shortcut: Press  from the home screen to view the dialed calls list.

Find the Feature



> Recent Calls



Press	To
1 	scroll to Received Calls or Dialed Calls
2 SELECT 	select the list
3 	scroll to an entry ✓ means the call connected.
4  or VIEW  or 	call the entry's number Press and hold  for 2 seconds to send the number as DTMF tones during a call. view entry details open the Last Calls Menu to perform various operations on the entry

The **Last Calls Menu** can include the following options:

Option	Description
Store	Create a phonebook entry with the number in the No. field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Hide ID/Show ID	Hide or show your caller ID for the next call.
Send Message	Open a new text message with the number in the To field.






Option	Description
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent calls lists.
Send Tones	Send the number to the network as DTMF tones. This option displays only during a call.
Talk then Fax	Talk and then send a fax in the same call (see page 79).

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls, and displays:

- **X Missed Calls**, where **X** is the number of missed calls

Press	To
1 VIEW 	see the received calls list
2 	select a call to return
3 	make the call

Using the Notepad

The most recent set of digits entered on the keypad are stored in your phone's notepad memory. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:





Press	To
	call the number
or	
	open the Dialing Menu to attach a number or insert a special character
or	
STORE	create a phonebook entry with the number in the No. field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
> Attach Number	attach a number from the phonebook or recent calls lists



Calling With Speed Dial

Each entry you store in your phonebook is assigned a unique speed dial number.

To see an entry's speed dial number, press > **Phonebook**, scroll to the entry, press **VIEW** .

To speed dial a phonebook entry:



Press	To
1 keypad keys	enter the speed dial number for the entry you want to call
2 	submit the number
3 	call the entry

Calling With 1-Touch Dial

To call phonebook entries 1 through 9, press and hold the single-digit speed dial number for one second.

Tip: You must specify which phone number list you want to use with this feature: phone memory phonebook or SIM card phonebook (see page 71).

Using Voicemail

Voicemail messages that you receive are stored on the network. To listen to your messages, you must call your voicemail phone number.

Your service provider may include additional information about using this feature.

Listening to Voicemail Messages

Find the Feature




> **Messages** > **Voicemail**

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store a number.



Receiving a Voicemail Message



When you receive a voicemail message, your phone displays the  (voicemail message) indicator and a New Voicemail notification.


Press	To
CALL 	listen to the message

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store a number.

Storing Your Voicemail Number

If necessary, use the following procedure to store your voicemail phone number on your phone. Usually, your service provider has already done this for you.

Find the Feature	 > Messages
	 > Voicemail Setup

Press	To
1 keypad keys	enter your voicemail number
2 OK 	store the number





You cannot store a **p** (pause), **w** (wait), or **n** (number) character in this number. If you want to store a voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail.

For more about these characters, see the *More Here* guide.

Using Call Waiting



When you are on a call, an alert tone sounds to indicate that you have received a second call.

Press	To
1 	answer the new call
2 SWITCH 	switch between calls
or	
LINK 	connect the 2 calls
or	
	end the call on hold
> End Call On Hold	



You must turn on call waiting to use the feature. To turn call waiting on or off:

Find the Feature



> **Settings** > **In-Call Setup**
> **Call Waiting**

Putting a Call On Hold

Press	To
HOLD  (if available)	put the call on hold
or	
 > Hold	



Transferring a Call



You can announce that you are transferring an active call to another party, or you can directly transfer the call.

Announce the Call Transfer

Find the Feature



> **Hold**

Press	To
1 keypad keys	dial the number where you are transferring the call
2	call the number and speak to the person who answers
3	open the menu
4	scroll to Transfer
5 SELECT (select Transfer
6 OK (confirm the transfer

Do Not Announce the Call Transfer

Find the Feature



> **Transfer**

Press	To
1 keypad keys	dial the number where you are transferring the call
2	transfer the call



Phone Features

Menu Map

Main Menu



Phonebook

Recent Calls

- Received Calls
- Dialed Calls
- Notepad
- Call Times
- Call Cost
- Data Times
- Data Volumes



Messages

- Create Message
- Message Inbox
- Voicemail
- Browser Msgs
- Info Services
- Quick Notes
- Outbox
- Drafts
- MMS Templates



Office Tools

- SIM Tool Kit Apps *
- Calculator
- Datebook
- Shortcuts
- Alarm Clock
- Chat
- Dialing Services
 - Voice Dial
 - Fixed Dial
 - Quick Dial
 - Service Dial *



Games & Apps



Web Access

- Browser
- Web Shortcuts
- Stored Pages
- History
- Go To URL
- Browser Setup
- Web Sessions



Multimedia

- Themes
- Camera
- Pictures
- Sounds
- MotoMixer
- Videos



IM

- Log In
- Offline Confs.
- Offline Settings
- Help



Settings

- (see next page)

* optional features

This is the standard main menu layout. Menu organization and feature names may vary on your phone. Not all features may be available on your phone.



Settings Menu



Personalize

- Home Screen
- Main Menu
- Color Style
- Greeting
- Wallpaper
- Screen Saver
- Quick Dial



Ring Styles

- Style
- style Detail
- Ring Lights
- Event Lights



Call Forward

- Voice Calls
- Fax Calls
- Data Calls
- Cancel All
- Forward Status



In-Call Setup

- In-Call Timer
- Call Cost Setup
- My Caller ID
- Talk and Fax
- Answer Options
- Call Waiting



Initial Setup

- Time and Date
- 1-Touch Dial
- Display Timeout
- Backlight
- TTY Setup
- Scroll
- Language
- Contrast
- DTMF
- Master Reset
- Master Clear



Phone Status

- My Tel. Numbers
- Credit Info/Available *
- Active Line
- Battery Meter
- Other Information



Headset

- Auto Answer
- Voice Dial



Car Settings

- Auto Answer
- Auto Handsfree
- Power-Off Delay
- Charger Time



Network

- New Network
- Network Setup
- Available Networks
- My Network List
- Service Tone
- Call Drop Tone



Security

- Phone Lock
- Lock Keypad
- Lock Application
- Fixed Dial
- Call Barring
- SIM PIN
- New Passwords



Java Settings









- Java System
- Delete All Apps
- App Vibration
- App Volume
- App Priority
- App Backlight
- Set Standby App
- DNS IP

* optional features

Feature Quick Reference











This section helps you locate features on your phone that are not described in this guide. For more detailed information, see the *More Here* guide (described on page 6).

Calling Features

Feature	Description
Conference Call	During a call:  > Hold , dial next number, press  , press LINK () 
Call Forwarding	Set up or cancel call forwarding:  > Settings > Call Forward 
Call Barring	Restrict outgoing or incoming calls:  > Settings > Security > Call Barring 
TTY Calls	Set up your phone for use with an optional TTY device:  > Settings > Initial Setup > TTY Setup 













Messages

Feature	Description
Send Text Message	<p>Send a text message:</p> <p> > Messages</p> <p>> Create Message</p> <p>> New Short Message</p> 
Send Multimedia Message	<p>Send a multimedia message:</p> <p> > Messages</p> <p>> Create Message > New Multimedia Msg</p> 
Use MMS Template	<p>Open an MMS template with preloaded media:</p> <p> > Messages</p> <p>> Create Message > MMS Templates</p> 
Read Message	<p>Read a new text or multimedia message that you have received:</p> <p>Press READ ().</p> 
Store Message Objects	<p>Go to a multimedia message slide, then:</p> <p> > Store</p> 











Instant Messaging





Feature	Description
Log In	<p>Log in to instant messaging:</p> <p> > IM > Log In</p> 
Find Others Online	<p>After you log in:</p> <p>Select Contact List to see a list of other users.</p> 
Start Conversation	<p>Start a conversation:</p> <p>From your Contact List, highlight a name in Online Contacts, press SEND IM ().</p> 
Open Active Conversation	<p>Open a conversation in progress:</p> <p>From your Contact List, highlight a name in Conversations, press VIEW ().</p> 
End Conversation	<p>From the conversation display:</p> <p> > End Conversation</p> 
Log Out	<p>Log out of instant messaging:</p> <p>Select Log Out from the IM Online menu.</p> 









Chat

Feature	Description
Start Chat	<p>Start a new chat session:</p> <p> > Office Tools > Chat</p> <p> > New Chat</p> 
Receive Chat Request	<p>When you receive a chat request:</p> <p>Press ACCEPT () or IGNORE ()</p> 
End Chat	<p>During a chat session:</p> <p> > End Chat</p> 










Phonebook

Feature	Description
Create Entry	<p>Create a new phonebook entry:</p> <p> > Phonebook</p> <p> > New > Phone Number or Email Address</p>
Create Group Mailing List	<p>Create a group mailing list as a phonebook entry:</p> <p> > Phonebook</p> <p> > New > Mailing List</p>






Feature	Description
Dial Number	<p>Call a number stored in the phonebook:</p> <p> > Phonebook, highlight the phonebook entry, press  to call</p>
Voice Dial Number	<p>Voice dial a number stored in the phonebook:</p> <p>> Office Tools > Dialing Services > Voice Dial</p> <p>When prompted, say the entry's name (within 2 seconds).</p>
Set Ringer ID for Entry	<p>Assign a distinctive ringer alert to a phonebook entry:</p> <p> > Phonebook > <i>entry</i></p> <p> > Edit > Ringer ID > <i>ringer name</i></p> <p>Note: The Ringer ID option is not available for entries stored on the SIM card.</p>
Set Picture ID for Entry	<p>Assign a picture to display when you receive calls from an entry:</p> <p> > Phonebook > <i>entry</i></p> <p> > Edit > Picture > <i>picture</i></p> <p>Note: The Picture option is not available for entries stored on the SIM card.</p>





Feature	Description
Set Category for Entry	<p>Set the category for a phonebook entry:</p> <p> > Phonebook > entry</p> <p> > Edit > Category > category name</p> <p>Note: The Category option is not available for entries stored on the SIM card.</p>
Set Category View	<p>Set a phonebook category view:</p> <p> > Phonebook</p> <p> > Categories > category view</p>
Set Category Light ID	<p>Set a distinctive light pattern to be displayed when you receive calls from phonebook entries in a specific category:</p> <p> > Phonebook</p> <p> > Categories, scroll to entry, press  > Edit > Light ID</p> <p>Note: The Light ID option is not available for entries stored on the SIM card.</p>
Sort Phonebook List	<p>Set the order in which phonebook entries are listed:</p> <p> > Phonebook</p> <p> > Setup > Sort by > sort order</p>









Feature	Description
Set Primary Number	<p>Set the primary number for a phonebook entry with multiple numbers:</p> <p> > Phonebook, scroll to entry, press  > Set Primary > phone number</p>
1-Touch Dial	<p>Set 1-touch dial to call entries stored in your phone memory phonebook or the SIM card phonebook:</p> <p> > Settings > Initial Setup > 1-Touch Dial</p>




Personalizing Features

Feature	Description
Ring Style	<p>Change the ring alert for an event:</p> <p> > Settings > Ring Styles > style Detail > event name</p>
Ringer IDs	<p>Activate distinctive ring alerts assigned to phonebook entries:</p> <p> > Settings > Ring Styles > style Detail > Ringer IDs</p>



Feature	Description
Ring Volume	<p>Set ringer volume:</p> <p> > Settings > Ring Styles > style Detail > Ring Volume</p> <p>Shortcut: Press  right or left in the home screen.</p>
Keypad Volume	<p>Set keypad keypress volume:</p> <p> > Settings > Ring Styles > style Detail > Key Volume</p>
Clock View	<p>Display an analog clock or digital time readout in the home screen:</p> <p> > Settings > Personalize > Home Screen > Clock</p>
Menu View	<p>Display the main menu as graphic icons or as a text-based list:</p> <p> > Settings > Personalize > Main Menu > View</p>
Main Menu	<p>Reorder your phone's main menu:</p> <p> > Settings > Personalize > Main Menu > Reorder</p>





Feature	Description
Change Soft Key Labels	Change soft key labels in the home screen  > Settings > Personalize > Home Screen > Home Keys
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold  . Select a shortcut:  > Office Tools > Shortcuts > shortcut name

Menu Features




Feature	Description
Language	Set menu language:  > Settings > Initial Setup > Language






Feature	Description
Master Reset	Reset all options except unlock code, security code, and lifetime timer:  > Settings > Initial Setup > Master Reset
Master Clear	Reset all options except unlock code, security code, and lifetime timer, and clear all user settings and entries except SIM card information:  > Settings > Initial Setup > Master Clear



Dialing Features


Feature	Description
Fixed Dial	<p>When you turn on fixed dialing, you can only call numbers stored in the fixed dial list.</p> <p>Turn fixed dialing on or off:</p> <p> > Settings > Security > Fixed Dial</p> <p>Use the fixed dial list:</p> <p> > Office Tools > Dialing Services > Fixed Dial</p>
Service Dial	<p>Dial service phone numbers:</p> <p> > Office Tools > Dialing Services > Service Dial</p>



Feature	Description
Quick Dial	<p>Your service provider may program your phone with one or more quick dial numbers, such as the customer service number.</p> <p>Dial preprogrammed phone numbers:</p> <p> > Office Tools > Dialing Services > Quick Dial</p>
DTMF Tones	<p>Activate DTMF tones:</p> <p> > Settings > Initial Setup > DTMF</p> <p>Send DTMF tones during a call:</p> <p>Press number keys.</p> <p>Send stored numbers as DTMF tones during a call:</p> <p>Highlight a number in the phonebook or recent calls lists, then press  > Send Tones.</p>









Call Monitoring

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing . This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of








time for which you are billed by your service provider. For billing information, contact your service provider.

Feature	Description
Call Times	View call timers:  > Recent Calls > Call Times 
In-Call Timer	Display time or cost information during a call:  > Settings > In-Call Setup > In-Call Timer 
Call Cost	View call cost information:  > Recent Calls > Call Cost 



Handsfree Features

Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.





Feature	Description
Speaker-phone	<p>Activate the speakerphone during a call:</p> <p>Press SPEAKER </p>
Auto Answer (car kit or headset)	<p>Automatically answer calls when connected to a car kit or headset:</p> <p> > Settings > Car Settings or Headset > Auto Answer</p> 
Voice Dial (headset)	<p>Enable voice dial with headset send/end key:</p> <p> > Settings > Headset > Voice Dial</p> 
Auto Handsfree (car kit)	<p>Automatically route calls to a car kit when connected:</p> <p> > Settings > Car Settings > Auto Handsfree</p> 



Feature	Description
Power-Off Delay (car kit)	<p>Set the phone to stay on for a specified time after the ignition is switched off:</p> <p> > Settings > Car Settings > Power-Off Delay</p>
Charger Time (car kit)	<p>Charge the phone for a specified time after the ignition is switched off:</p> <p> > Settings > Car Settings > Charger Time</p>





Data and Fax Calls








Feature	Description
Send Data or Fax	<p>Connect your phone to the device, then place the call through the device application.</p>
Receive Data or Fax	<p>Connect your phone to the device, then answer the call through the device application.</p>
Talk Then Fax	<p>Connect your phone to the device, enter the number, press  > Talk Then Fax, then press  to make the call.</p>



Network Features

Feature	Description
Network Settings	View network information and adjust network settings:  > Settings > Network 

Personal Organizer Features

Feature	Description
Create Datebook Event	Create a new datebook event:  > Office Tools > Datebook , highlight the day, press the center select button, press  > New
View or Edit Datebook Event	View or edit event details:  > Office Tools > Datebook , highlight the day, press the center select button, press VIEW ()
Event Reminder	View event reminder: VIEW () Close event reminder: EXIT ()
Set Alarm	Set an alarm:  > Office Tools > Alarm Clock
















Feature	Description
Turn Off Alarm	<p>Turn off alarm:</p> <p>Press DISABLE (🔊) or (🔊).</p> <p>Set 8-minute delay:</p> <p>Press SNOOZE (🔊).</p>
Calculator	<p>Calculate numbers:</p> <p>(🔊) > Office Tools > Calculator</p>
Currency Converter	<p>Convert currency:</p> <p>(🔊) > Office Tools > Calculator</p> <p>(🔊) > Exchange Rate</p> <p>Enter exchange rate, press OK (🔊), enter amount, and select \$ in the bottom of the display.</p>

Security











Feature	Description
SIM PIN	<p>Lock or unlock the SIM card:</p> <p>(🔊) > Settings > Security > SIM PIN</p> <p>Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays SIM Blocked.</p>
Lock Application	<p>Lock phone applications:</p> <p>(🔊) > Settings > Security > Lock Application</p>






News and Entertainment

Feature	Description
Launch Micro-Browser	<p>Start a micro-browser session:</p> <p> > Web Access > Browser</p> 
Download Objects from Web Page	<p>Download a picture, sound, or phone theme from a Web page:</p> <p>Highlight the file, press SELECT () , press STORE () .</p> 
Web Sessions	<p>Select or create a Web session:</p> <p> > Web Access > Web Sessions</p> 
Apply Phone Theme	<p>Apply a grouped set of image and sound files to your phone:</p> <p> > Multimedia > Themes > theme</p> 
Download Game or Application (micro-browser)	<p>Download a Java™ game or application with the micro-browser:</p> <p> > Web Access > Browser , highlight the application, press SELECT () , press DOWNLOAD ()</p> 



Feature	Description
Download Game or Application (computer)	Download a Java™ game or application from a computer: Connect your phone to the computer, press  > Settings > Java Settings > Java App Loader . 
Launch Game or Application	Launch a Java™ game or application:  > Games & Apps , highlight the application, press SELECT  
Manage Pictures	Manage pictures and animations:  > Multimedia > Pictures 
Manage Sounds	Manage ring tones, sounds that you have composed or downloaded:  > Multimedia > Sounds
Manage Video Clips	Manage video clips:  > Multimedia > Videos
Edit Sounds With MotoMixer	Edit MIDI-based sound files that you can use with your phone:  > Multimedia > MotoMixer > [New Mix] or mix file name



Feature	Description
Create Ring Tones	Create ring tones that you can use with your phone:  > Multimedia > Sounds > [New iMelody]
Camera	Adjust light level and other settings for the integrated camera:  > Multimedia > Camera  > Pictures Setup



Specific Absorption Rate Data

This model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.¹ Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 1.2 W/kg, and when worn on the body, as

described in this user guide, is .61 W/kg. The SAR value for this product in its data transmission mode (body-worn use) is 1.17 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://www.phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

Index

A

- accessories 7, 65
- accessory connector port 1
- active line indicator 25
- active line, changing 52
- alarm clock 80
- alert
 - creating 84
 - defined 48
 - setting 12, 48, 71
 - turning off 13
- animation
 - downloading 82
 - screen saver 50
 - viewing 83
 - wallpaper 48
- answering a call 13
- application, locking and
 - unlocking 81
- automatic redial 53

B

- backlight 51
- barring calls 65
- battery
 - charging 11

- extending battery life 8,
51
 - installing 10
 - level indicator 27
- browser. *See* micro-browser

C

- calculator 81
- call
 - alert, turning off 13
 - answering 13
 - barring 65
 - barring password,
changing 41
 - call waiting 61
 - costs 77
 - dialed calls list 55
 - dialing 13
 - emergency number 54
 - ending 13
 - forwarding 65
 - handsfree speaker 40
 - hold 61
 - international access code
55
 - making 13
 - received calls list 55
 - receiving 13

- call (continued)
 - ring style 12, 48, 71
 - speakerphone 78
 - timers 77
 - transferring 62
 - unanswered call 57
- Call Failed, Number Busy
 - message 53
- call waiting 61
- caller ID 16, 53
- calling line identification.
 - See caller ID
- camera
 - settings 84
 - taking a photo 15
- category
 - light ID 70
 - phonebook entry 70
 - view 70
- center select button 27
- character chart 35
- chat 68
- clock
 - selecting analog or digital 72
 - setting 47
- codes
 - changing 41
 - default 41, 43
 - forgetting 43
- color, setting 51
- conference call 65

- customizing the menu 72

D

- data call 79
- date, setting 47
- datebook 80
- dialed calls list 55
- dialing a number 13, 75, 76
- display
 - backlight 51
 - color 51
 - description 23
 - home screen 23
 - language 73
 - personalizing 73
 - timeout 51
- distinctive ringer alert 71
- DTMF tones
 - activating 76
 - sending 76

E

- earpiece volume 12
- emergency number 54
- end key 1
- ending a call 13
- Enter Unlock Code
 - message 42
- event lights 21

F

fax call 79
5-way navigation key 1, 27
fixed dial 75
forwarding calls 65

G

games 82, 83
GPRS indicator 24
groove tunes 83

H

handsfree speaker 40
headset jack 1
hold a call 61
home keys, personalizing 73
home screen
 defined 23
 selecting clock view 72

I

IM 67
incoming call
 answering 13
 forwarding 65
Incoming Call message 53
indicators
 active line 25
 battery level 27
 GPRS 24

Java midlet 26
location 27
message 26
message waiting 19
messaging presence 26
ring style 27
roam 25
signal strength 24
text case 33
text entry method 26, 33
transmission 25
voicemail message 26, 60

instant messaging. *See* IM
international access code 55
iTAP software 36

J

Java applications 82, 83
Java midlet indicator 26
joystick 1

K

key
 center select button 27
 end 1
 5-way navigation 1, 27
 left soft key 1, 23, 73
 menu 1
 power 1

- key (continued)
 - right soft key 1, 23, 73
 - send 1
 - voice 1
 - volume control 1, 12
- keypad
 - volume, setting 72

L

- language, setting 73
- left soft key
 - functions 1, 23
 - personalizing 73
- line, changing 52
- location indicator 27
- lock
 - application 81
 - phone 41
 - SIM card 81
- Low Battery message 27

M

- making a call 13
- master clear 74
- master reset 74
- menu
 - entering text 30
 - icons, changing in home screen 73
 - icons, converting to text 72

- language, setting 73
- personalizing 72
- rearranging features 72
- using 28
- view, changing 72
- menu key 1
- message
 - chat 68
 - MMS template 66
 - MMS, defined 17
 - multimedia message 66
 - reading 66
 - text 66
- message indicator 26
- message waiting indicator 19
- messaging presence indicator 26
- micro-browser
 - browser setup 82
 - Java applications 82, 83
 - using 82
 - Web sessions 82
- MMS template 66
- MMS. *See* message
- More Here* guide 6
- MotoMixer 83
- multimedia message
 - receiving 19
 - sending 17, 66

multimedia messaging
 service. *See* message
my telephone number 13,
 47

N

network settings 80
notepad 57
number
 storing your number 47
 viewing your number 13
numbers, entering 38

O

1-touch dial
 setting preference 71
 using 59
optional accessory, defined 7
optional feature, defined 6

P

passwords. *See* codes
phone
 active line indicator 25
 active line, changing 52
 alert, turning off 13
 clear stored information 74
 codes 41

 date, setting 47
 language, setting 73
 locking 41
 network settings 80
 open to answer 13
 reset all options 74
 ring style 12, 48, 71
 security code 41
 time, setting 47
 turning on/off 12
 unlock code 41
 unlocking 12, 41
phone number
 active line indicator 25
 active line, changing 52
 attaching 2 numbers 58
 international access code 55
 redialing 52
 storing in phonebook 68
 storing your number 47
 viewing your number 13
phone theme 82
phonebook
 attaching 2 numbers 58
 category for entry 70
 category light ID 70
 category view 70
 dialing a number 69
 group mailing list 68
 1-touch dial 59
 picture ID 16, 45, 53, 69

- phonebook (continued)
 - primary number, setting 71
 - ringer ID 69, 71
 - sorting entries 46, 70
 - speed dial number 58
 - storing an entry 68
 - voice dialing 69
- photo
 - downloading 82
 - picture ID 16, 53
 - sending 15
 - taking 15
- picture
 - downloading 82
 - screen saver 50
 - viewing 83
 - wallpaper 48
- picture ID 16, 53
 - setting 45, 69
- PIN code
 - changing 41
 - entering 81
- PIN2 code, changing 41
- power key 1
- predictive text entry 36
- primary text entry method 31

Q

- quick dial 76

R

- received calls list 55
- recent calls 55
- redial
 - automatic redial 53
 - busy number 52
- reference guide 6
- right soft key
 - functions 1, 23
 - personalizing 73
- ring lights 22
- ring style indicators 27
- ring style, setting 12, 48, 71
- ring tone
 - creating 84
 - downloading 82
 - editing with MotoMixer 83
 - managing 83
- ringer ID
 - setting 69
 - turning on/off 71
- ringer volume, setting 12, 72
- roam indicator 25

S

- screen saver 50
- secondary text entry
 - method 31
- security code
 - changing 41

- default 41
- send key 1
- service dial 75
- shortcuts 73
- signal strength indicator 24
- silent alert, setting 12, 48, 71
- SIM Blocked message 12, 81
- SIM card
 - defined 7
 - installing 7
 - locking 81
 - PIN code entry 12
 - PIN code, changing 41
 - PIN2 code, changing 41
 - precautions 7
 - SIM Blocked message 12, 81
- SIM PIN code
 - changing 41
 - entering 81
- SIM PIN2 code, changing 41
- soft keys
 - functions 23
 - illustration 1
 - personalizing 73
- sound
 - creating 84
 - downloading 82
 - managing 83

- Speaker On message 40
- speakerphone
 - activating 78
 - automatic answer 78
- speed dial 58
- standby time, increasing 51
- symbol chart 39
- symbols, entering 38

T

- tap method text entry 33
- telephone number
 - storing your number 47
 - viewing your number 13
- text
 - capitalization, changing 32
 - character chart 35
 - entering 30
 - entry method, selecting 31
 - entry method, setup 32
 - iTAP software predictive text entry 36
 - numeric method 38
 - symbol chart 39
 - symbol method 38
 - tap method 33
- text case indicator 33

- text entry method
 - selecting 31
 - setup 32
- text entry method indicator
 - 26, 33
- theme 82
- time, setting 47
- timers 77
- transfer a call 62
- transmission indicator 25
- travel charger 11
- TTY device 65

U

- unlock
 - application 81
 - phone 41
- unlock code
 - bypassing 43
 - changing 41
 - default 41, 43
 - entering 12

V

- vibrate alert
 - setting 12, 48, 71
 - turning off 13
- video clip
 - downloading 66
 - managing 83
 - playing 20

- voice dial 69, 78
- voice key
 - dialing a number 69
 - illustration 1
- voicemail 59
- voicemail message indicator
 - 26, 60
- volume
 - earpiece 12
 - keypad 72
 - ringer 12, 72
- volume keys 1, 12

W

- wallpaper 48
- Web pages 82
- Web sessions 82
- Welcome 1
- U.S. patent Re. 34,976



MOTOROLA

***IMPORTANT SAFETY AND LEGAL
INFORMATION>***

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Contents

Safety and General Information	4
FDA Consumer Information on Wireless Phones	10
Product Registration	20
RF Energy Interference	20
Export Law Assurances.	20
Wireless: The New Recyclable	21
Wireless Phone Safety Tips	23

Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION.
READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user's guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimeters) from your body when transmitting.

Data Operation

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website: www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.






Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted “Turn off electronic devices.” Obey all signs and instructions.

Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing

video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone. (The flashing-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

FDA Consumer Information on Wireless Phones



The U.S. Food and Drug Administration (FDA) provides consumer information on wireless phones at:

<http://www.fda.gov/cellphones/qa.html>

Following are safety-related questions and answers discussed at this web site.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio

frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly

precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) *charged two companies* that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	TTY 1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce and distribute copies of the Motorola software. Motorola software may only be copied into, used in, and redistributed with, the Products associated with such Motorola software. No other use, including without limitation disassembly of such Motorola software or exercise of the exclusive rights reserved for Motorola, is permitted.

Product Registration

Online Product Registration:

<http://www.motorola.com/warranty>

Product registration is an important step toward enjoying your new Motorola product. Registering helps us facilitate warranty service, and permits us to contact you should your product require an update or other service. Registration is for U.S. residents only and is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

RF Energy Interference

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Wireless: The New Recyclable

Your wireless phone can be recycled. Recycling your wireless phone reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their phones and have taken steps to promote the collection and environmentally sound recycling of end-of-life wireless devices.

As a wireless phone user, you have an important role in ensuring that this phone is recycled properly. When it comes time to give this phone up or trade it in for a new one, please remember that the phone, the charger, and many of its accessories can be recycled. It's easy. To learn more about CTIA's Recycling Program for Used Wireless Devices in the United States, including information on where to recycle wireless devices near you, please visit www.recyclewirelessphones.com.



MOTOROLA

Wireless Phone Safety Tips

“Safety is your most important call!”


Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

- 1 Get to know your Motorola wireless phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.



- 2 **When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.
- 3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- 4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- 5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- 6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- 7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.

- 
- 8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*
- 9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*
- 10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.



For more information,
please call
1-888-901-SAFE
or visit the
CTIA Web site at
www.wow-com.comTM



motorola.com